

In the Abstract:

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ABSTRACT OF THE DISCLOSURE

In the method of determining hormonal effects of substances, a test substance is contacted with Ewing sarcoma protein (EWS) or a derivative of it and with an androgen ~~a nuclear~~-receptor (NR) or a derivative of it; and the effect of the test substance on binding of EWS with the androgen ~~nuclear~~-receptor or its derivative or on ligand-induced activity of the androgen ~~nuclear~~-receptor is determined, preferably in a cellular system. A method for determining interference in the co-modulator mechanism between androgen receptor and EWS, which includes measurement of androgen receptor and EWS concentrations, is described. A method for identification and characterization of substances that influence the activity of a nuclear receptor, especially androgen receptor, using EWS or a derivative of it is disclosed.

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